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EDUCATION

2005 Ph.D., Geological and Environmental Sciences, Stanford University, Stanford, CA

Dissertation: "Timing and Kinematics of Basin and Range extension in northwestern

Nevada." Advisor: Elizabeth L. Miller.

1998 B.A., magna cum laude, Geology (with Distinction), Carleton College, Northfield, MN

Senior Thesis (with Distinction): "Heart Mountain Faulting and the Emplacement of

Intrusive Rocks at Painter Gulch, near White Mountain, northwest Wyoming."

PROFESSIONAL EXPERIENCE

2014-present	Research Geologist, U.S. Geological Survey, Denver, CO
2009-2014	Research Geologist, U.S. Geological Survey, Menlo Park, CA
2009-present	Visiting Scholar, Stanford University, Stanford, CA
2006-2009	Mendenhall Postdoctoral Research Fellow, U.S. Geological Survey, Menlo Park, CA
2005	Instructor, Structural Geology, Stanford University, Stanford, CA
1999-2004	Teaching Assistant, Stanford University, Stanford, CA (courses: Optical Petrography,
	Geology of Death Valley, Structural Geology, California Landforms and Plate Tectonics)
2001-2003	Manager, mineral separation laboratory, Stanford University, Stanford, CA
1998-1999	Earth Science Intern, U.S. Geological Survey, Menlo Park, CA
1996-1998	Teaching Assistant, Carleton College, Northfield MN (courses: Petrology, Mineralogy,
	Paleobiology, Sedimentology).

RESEARCH INTERESTS

Cenozoic tectonic and magmatic evolution of the western United States Formation and eruption of large silicic magma chambers Apatite fission-track and (U-Th)/He thermochronology Geologic mapping and regional structural analysis

HONORS AND AWARDS

2012	Presidential Early Career Award for Scientists and Engineers (PECASE). The highest honor bestowed by the United States government on science and engineering professionals in the early stages of their independent careers (award year 2011).
2008-2013	USGS Performance Awards (4)
2003-2004	Stanford-USGS Fellowship in Earth Sciences . Tuition & stipend awarded annually to one Stanford Ph.D. student whose research contributes to USGS science goals.
2003	Outstanding Student Paper Award, AGU, Tectonophysics Section
2000-2003	Richard H. Jahns Fellowships in Field Geology, Stanford University (3)
2000-2004	Shell Foundation Grants, Stanford University (3)
2000-2002	McGee Foundation Grants, Stanford University (2)
2000-2002	GSA Graduate Research Grants (2)
1998	Carleton College, Inducted to Phi Beta Kappa & Sigma Xi

SERVICE TO THE SCIENTIFIC COMMUNITY

2005-present	Peer Referee: GSA Bull., Geology, Geosphere, Jour. of Geophysical Res., Jour. of South American Earth Sci., International Geology Rev., Tectonophysics, Jour. of Volc. & Geothermal Res., NSF (Tectonics, Geophysics, Petrology & Geochemistry, and Continental Dynamics programs), USGS internal reviews, Nevada Bureau of Mines and Geology geologic map reviews.
2011-2013	Peninsula Geological Society, President (2012-13), Vice President (2011-12).
2012	Field trip leader, USGS GMEG Science Center field trip, northern Great Basin.
2011	Field trip co-leader (with C.D. Henry and A.J. McGrew), "Timing, distribution, amount, and style of Cenozoic extension in the northern Great Basin," May 20-23, Wells, NV.
2011	Co-convenor (with C.D. Henry and A.J. McGrew), "From contraction to extension: The Mesozoic to Cenozoic tectonic evolution of the northern Great Basin I" (oral & poster session): Geological Society of America Cordilleran Section Meeting, May 18-20, 2011, Logan Utah.
2011, 2012	Panel member, USGS Research Grade Evaluation (RGE) Panel.
2009	Field trip co-leader (with D.A. John and C.D. Henry), USGS field trip, Caetano caldera.
2009	Field-trip co-leader (with S.L. Klemperer), Stanford Geophysics, northern Nevada.
2007	Field-trip co-leader (with K.A. Howard), Ruby Mountains, Nevada.
2005	Co-convenor (with P.G. Resor), "The Edges of Extension: Boundaries of the Basin and Range Province as Natural Laboratories for studying Tectonic and Structural Processes" (oral session): Geological Society of America Annual Meeting, October 16-19, Salt Lake City, UT.

PROFESSIONAL AFFILIATIONS

Geological Society of America, Member since 1998. American Geophysical Union, Member since 1998. Society of Economic Geologists, Member since 2014.

INVITED LECTURES

2013	Invited instructor, GSA Thermochronology short course, Boulder, CO
2013	Presidential lecture, Peninsula Geological Society, Stanford, CA
2012	Invited speaker, USGS, Denver, CO
2012	Invited speaker, USGS, Reston VA (PECASE award lecture)
2011	Invited lecture, Stanford University (graduate seminar)
2010	Invited speaker, Penrose Conference, August 16-20, Bridgeport, CA
2009	Invited lecture, Stanford University (graduate seminar)
2009	Invited speaker, Peninsula Geological Society, Stanford, CA
2009	Invited speaker, "Mackay Geology Seminar," University of Nevada, Reno
2008	Invited lecture, Stanford University (Western US tectonics class)
2008	Invited speaker, USGS, Denver, CO
2008	Invited speaker, USGS, Reston, VA
2007	Invited speaker, USGS Mineral Resources Program Meeting, Denver, CO
2006	Invited speaker, NSF High Lava Plains Workshop, Sunriver, Oregon
2006	Invited speaker, University of California, Santa Cruz
2006	Invited lecture, Stanford University (graduate geochronology class)
2006	Invited speaker, Idaho State University
2006	Invited speaker, USGS Earthquake Hazards Team seminar series
2003	Invited Speaker, USGS Earthquake Hazards Team seminar series

PUBLICATIONS (PEER REVIEWED)

- Ellis, M.A., Barnes, J.B., and Colgan, J.P., in press, Geomorphic evidence for enhanced Plio-Quaternary faulting in the northwestern Basin and Range: Lithosphere, doi:10.1130/L401.1.
- Colgan, J.P., Henry, C.D., and John, D.A., 2014, Evidence for large-magnitude, post-Eocene extension in the northern Shoshone Range, Nevada, and its implications for the structural setting of Carlin-type gold deposits in the lower plate of the Roberts Mountains allochthon: Economic Geology, v. 109, p. 1843–1862. IP-044321.
- Henry, C.D., Bell, J.W., John, D.A., and Colgan, J.P., 2013, Preliminary geologic map of the West Gate quadrangle, Churchill County, Nevada: Nevada Bureau of Mines and Geology Open-File Report 13-9, scale 1:24,000.
- **Colgan, J.P.**, 2013, Reappraisal of the relationship between the northern Nevada rift and Miocene extension in the northern Basin and Range Province: Geology, v. 41(2), p. 211-214, doi: 10.1130/G33512.1.
- Langenheim, V.E., Jachens, R.C., Graymer, R.W., Colgan, J.P., Wentworth, C.M., and Stanley, R.G., 2013, Fault geometry and cumulative offsets in the central Coast Ranges, California: Evidence for northward increasing slip on the San Gregorio-San Simeon-Hosgri Fault: Lithosphere, v. 5(1), p. 29-48, doi:10.1130/L233.1.
- Colgan, J.P., McPhee, D.K., McDougall, K., and Hourigan, J.K., 2012, Superimposed extension and shortening in the southern Salinas Basin and La Panza Range, California: A guide to Neogene deformation of the Salinian block in the central California Coast Ranges: Lithosphere, v. 4(5) p. 411–429, doi:10.1130/L208.1.
- Henry, C.D., Hinz, N.H., Faulds, J.E., **Colgan, J.P.**, John, D.A., Brooks, E.R., Cassel, E.J., Garside, L.J., Davis, D.A., and Castor, S.B., 2012, Eocene–Early Miocene paleotopography of the Sierra Nevada–Great Basin–Nevadaplano based on widespread ash-flow tuffs and paleovalleys: Geosphere, v. 8, p. 1–27, doi:10.1130/GES00727.1.
- **Colgan, J.P.** Henry, Christopher D., and John, D.A., 2011, Geologic map of the Caetano caldera, Lander and Eureka Counties, Nevada: Nevada Bureau of Mines and Geology Map 174, Scale 1:75,000.
- **Colgan, J.P.**, Egger, A.E., John, D.A., Cousens, B., Fleck, R.J., and Henry, C.D., 2011, Oligocene and Miocene arc volcanism in northeastern California: Evidence for post-Eocene segmentation of the subducting Farallon plate: Geosphere, v. 7, p. 733–755, doi:10.1130/GES00650.1.
- Henry, C.D., McGrew, A.J., Colgan, J.P., Snoke, A.W., and Brueseke, M.E., 2011, Timing, distribution, amount, and style of Cenozoic extension in the northern Great Basin, *in* Lee, J., and Evans, J.P., eds., Geologic Field Trips to the Basin and Range, Rocky Mountains, Snake River Plain, and Terranes of the U.S. Cordillera: Geological Society of America Field Guide 21, p. 27–66, doi:10.1130/2011.0021(02).
- John, D.A., Rockwell, B.W., Henry, C.D., and **Colgan, J.P.**, 2011, Hydrothermal alteration of the late Eocene Caetano ash-flow caldera, north-central Nevada: A field and ASTER remote sensing study: Proceedings of the Geological Society of Nevada 2010 Symposium, Reno, Nevada, May 14–22, 2010, p. 1055–1083.
- Henry, C.D., and Colgan, J.P., 2011, The regional structural setting of the 2008 Wells earthquake and Town Creek Flat basin—Implications for the Wells earthquake fault and adjacent structures, *in* dePolo C.M., and LaPointe, D.D., eds., A compendium of earthquake-related investigations prepared by the University of Nevada, Reno: Nevada Bureau of Mines and Geology Special Publication 36, p. 53–64.
- Colgan, J.P., Howard, K.A., Fleck R.J., and Wooden J.L., 2010, Rapid middle Miocene extension and unroofing of the southern Ruby Mountains, Nevada: Tectonics, v. 29, doi:10.1029/2009TC002655.
- **Colgan, J.P.,** Wyld, S.J., and Wright, J., 2010, Geologic map of the Vicksburg Canyon 7.5' quadrangle, Humboldt County, Nevada: Nevada Bureau of Mines and Geology, Map M169, scale 1:24,000.
- Egger, A.E., Colgan, J.P., and York, C., 2009, Provenance and palaeogeographic implications of Eocene–Oligocene sedimentary rocks in the northwestern Basin and Range: International Geology Review, v. 51(9-11), p. 900–911, doi: 10.1080/00206810902949829.

- **Colgan, J.P.,** and Henry, C.D., 2009, Rapid middle Miocene collapse of the Mesozoic orogenic plateau in north-central Nevada: International Geology Review, v. 51(9-11), p. 920–961, doi: 10.1080/00206810903056731.
- Lerch, D.W., Klemperer, S.L., Egger, A.E., Colgan, J.P., and Miller, E.L., 2009, The northwestern margin of the Basin and Range Province, part 1: Reflection profiling of the moderate-angle (35°) Surprise Valley Fault: Tectonophysics, v. 488(1-4), p. 143–149, doi:10.1016/j.tecto.2009.05.028.
- Fosdick, J.C, and Colgan, J.P., 2008, Miocene extension in the East Range, Nevada: A two-stage history of normal faulting in the northern Basin and Range: Geological Society of America Bulletin, v. 120(9-10), p. 1198–1213. doi:10.1130/B26201.1.
- **Colgan, J.P.**, Shuster, D.L., and Reiners, P.W., 2008, Two-phase Neogene extension of the northwestern Basin and Range recorded in a single thermochronology sample: Geology, v. 36(8), p. 631–634, doi:10.1130/G24897A.1.
- Colgan, J.P., John, D.A., Henry, C.D., and Fleck, R.J., 2008, Large-magnitude Miocene extension of the Eocene Caetano caldera, Shoshone and Toiyabe Ranges, Nevada: Geosphere, v. 4(1), p. 107–130. doi:10.1130/GES00115.1.
- John, D.A., Henry, C.D., and Colgan, J.P., 2008, Magmatic and tectonic evolution of the Caetano caldera, north-central Nevada: A tilted mid-Tertiary eruptive center and source of the Caetano Tuff: Geosphere, v. 4(1), p. 75–106. doi:10.1130/GES00116.1.
- Lerch, D.W., Miller, E.L., McWilliams, M.O., and Colgan, J.P., 2008, Tectonic and magmatic evolution of the northwestern Basin and Range and its transition to unextended volcanic plateaus: Black Rock Range, Nevada: Geological Society of America Bulletin, v. 120 (3-4), p. 300–311. doi:10.1130/B26151.1.
- Mattinson, C.G., Colgan, J.P., Metcalf, J.R., Miller E.L., and Wooden, J.L., 2007, Late Cretaceous to Paleocene metamorphism and magmatism in the Funeral Mountains metamorphic core complex, Death Valley, California, *in* Cloos, M., Carlson, W.D., Gilbert, M.C., Liou, J.G., and Sorensen, S.S., eds., Convergent Margin Terranes and Associated Regions: A Tribute to W.G. Ernst: Geological Society of America Special Paper 419, p. 205–223, doi:10.1130/2006.2419(11).
- Lerch, D.W., Klemperer, S.L., Glen, J.M.G., Ponce, D.A., Miller, E.L., and Colgan, J.P., 2007, Crustal structure of the northwestern Basin and Range Province and its transition to unextended volcanic plateaus: Geochemistry, Geophysics, and Geosystems, v. 8, doi:10.1029/2006GC001429.
- **Colgan, J.P.**, Dumitru, T.A., Reiners, P.W., Wooden, J.L., and Miller, E.L., 2006, Cenozoic tectonic evolution of the Basin and Range Province in northwestern Nevada: American Journal of Science, v. 306(8), p. 616–654.
- **Colgan, J.P.**, Dumitru, T.A., McWilliams, M.O., and Miller, E.L., 2006, Timing of Cenozoic volcanism and Basin and Range extension in northwestern Nevada: new constraints from the northern Pine Forest Range: Geological Society of America Bulletin, v. 118(1-2), p. 126–139, doi:10.1130/B25681.1.
- **Colgan, J.P.**, Dumitru, T.A., and Miller, E.L., 2004, Diachroneity of Basin and Range faulting and Yellowstone hotpsot volcanism in northwestern Nevada: Geology, v. 32(2), p. 121–124, doi:10.1130/G20037.1.
- Brabb, E.E., Colgan, J.P., and Best, T.C., 1999 Map showing inventory and regional susceptibility for Holocene debris flows and related fast-moving landslides in the conterminous United States: U.S. Geological Survey Miscellaneous Field Studies Map MF-2329, scale 1:2,500,000.

ABSTRACTS AND CONFERENCE PRESENTATIONS

- John, D.A., Henry, C.D., Colgan, J.P., and Watts, K.E., 2014, ⁴⁰Ar/³⁹Ar and U-Pb ages of silicic ignimbrites, calderas, and granitic plutons, southern Stillwater Range and Clan Alpine Mountains, Nevada: Linkages between volcanic and plutonic rocks: Geological Society of America Abstracts with Programs, v. 46, no. 6, p. 826.
- Watts, K.E., John, D.A., Coble, M.A., Colgan, J.P., and Henry, C.D., 2014, Ion microprobe study of Au

- and trace metals in sulfide melt inclusions from a rhyolite porphyry intrusion in the Caetano caldera, Nevada: Geological Society of America Abstracts with Programs, v. 46, no. 6, p. 447.
- Ellis, M.A., Barnes, J.B., and Colgan, J.P., 2014, Testing fault growth models with low-temperature thermochronology in northwest Nevada: Geological Society of America Abstracts with Programs, v. 46, no. 6, p. 171.
- Lund, K., Beard, L.S., and Colgan, J.P., 2014, SHRIMP U-Pb dating of zircon reveals Oligocene, Late Cretaceous, and Late Jurassic ages in Troy Granite, east-central Nevada: Geological Society of America Abstracts with Programs, v. 46, no. 5, p. 30.
- **Colgan, J.P.**, 2013, Temporal association of middle Miocene Basin and Range extension and Columbia River flood basalt volcanism: Implications for tectonic models of the Yellowstone hotspot: GSA Annual Fall Meeting, October 2013.
- Henry, C.D., and Colgan, J.P., 2013, The disparate record of upper-crustal extension and mid-crustal exhumation in and around the Ruby-East Humboldt metamorphic core complex, northeastern Nevada, USA: GSA Annual Fall Meeting, October 2013.
- Watts, K.E., Colgan, J.P., John, D.A., and Henry, C.D., Dissected caldera provides a window into the linked volcanic-plutonic origins of the 34 Ma Caetano Tuff supereruption, Nevada: GSA Annual Fall Meeting, October 2013.
- **Colgan, J.P.**, Watts, K.E., Henry, Christopher D., and John, David A., 2013, Characterizing geographic variability in magma composition and eruptive style during voluminous mid-Tertiary magmatism in the northern Great Basin using zircon U-Pb geochronology and phenocryst O isotopic data: AGU Annual Fall Meeting, December 2013.
- Ellis, M.A., Barnes, J.B., and Colgan, J.P., 2013, Landscape response to normal fault footwall uplift in the Basin and Range Province, western United States: AGU Annual Fall Meeting, December 2013.
- Watts, K.E., Colgan, J.P., John, D.A., Henry, C.D., Coble, M.A., and Hervig, R.L., Ion microprobe study of Au and Carlin-type trace metals in rhyolite melt inclusions from Eocene dikes and ash-flow tuff in northern Nevada: AGU Annual Fall Meeting, December 2013.
- John, D.A., Watts, K.E., Hofstra, A.H., **Colgan, J.P.**, Henry, C.D., and Bindeman, I.N., Stable isotopes of tilted ignimbrite calderas in Nevada: AGU Annual Fall Meeting, December 2013.
- **Colgan, J.P.**, Watts, K.E., John, D.A., Vazquez, J.A., and Coble, M.A., and Henry, C.D., 2012, Chemical-abrasion SIMS dating of zircon from the Eocene Caetano caldera, Nevada: AGU, December 2012.
- Watts, K.E., Colgan, J.P., John, D.A., Henry, C.D., 2012, Petrologic evolution of the Caetano magmatic system: What can we learn from a dissected, 34 Ma caldera in the northern Great Basin, western U.S.A.?: AGU, December 2012.
- Watts, K.E., Colgan, J.P., John, D.A., Bindeman, I.N., Schmitt, A.K., and Henry, C.D., 2012, Large-volume silicic magma genesis at Yellowstone, Heise, and Caetano: Isotope geochronology insights from three supervolcanoes in the western U.S.A. 22nd Goldschmidt Conference, Montreal, Canada, June 2012.
- **Colgan, J.P.,** Henry, C.D., and John, D.A., 2011, Geologic map of the Caetano Caldera, north-central Nevada: One of the world's best-exposed and most informative calderas: AGU, December 2011.
- **Colgan, J.P.**, 2011, Two-stage model for exhumation of the Ruby Mountains East Humboldt metamorphic core complex, northeastern Nevada: Geological Society of America Abstracts with Programs, v. 43, no. 4, p. 4.
- **Colgan, J.P.,** Henry, C.D., and John, D.A., 2010, Rapid middle Miocene Basin and Range extension in north-central Nevada: Great Basin Evolution and Metallogeny, Program with Abstracts, Geological Society of Nevada Symposium 2010, Reno/Sparks, Nevada, May 2010, p. 40.

- John, D.A., Rockwell, B.W., Henry, C.D., and Colgan, J.P., 2010, Hydrothermal alteration of the late Eocene Caetano ash-flow caldera, north-central Nevada: A field and ASTER remote sensing study: Great Basin Evolution and Metallogeny, Program with Abstracts, Geological Society of Nevada Symposium 2010, Reno/Sparks, Nevada, May 2010, p. 56.
- Colgan, J.P., and McPhee, D.K., 2010, Crustal structure adjacent to the San Andreas Fault from Cholame Valley to the northern Carrizo Plain, central California: Geological Society of America Abstracts with Programs, v. 42, no. 4, p. 79.
- Langenheim, V.E., Jachens, R.C., Graymer, R.W., Wentworth, C.M., Colgan, J.P., and Stanley, R.G., 2010, Implications of cumulative offsets along the San Gregorio-Hosgri Fault, California: Why the Santa Maria Basin Matters: Geological Society of America Abstracts with Programs, v. 42, no. 4, p. 81.
- Graymer, R.W., Langenheim, V.E., Rosenberg, L.I., Colgan, J.P., and Roberts, M.A., 2010, New insights into the tectonics of the central california coast ranges from cross-sections based on digital geologic mapping and potential-field geophysics: Geological Society of America Abstracts with Programs, v. 42, no. 4, p. 82.
- **Colgan, J.P.,** 2009, Timing and structural style of Cenozoic extension in north-central Nevada: Northwest Mining Association Annual Meeting, December 2009, Reno Nevada.
- John, D.A., Colgan, J.P., Henry, C.D., and Wooden, J.L., 2009, Prolonged Eocene magmatism and assembly of the Caetano caldera, Cortez area, Nevada: Inferences from SHRIMP U-Pb zircon dating: AGU, December 2009, Abstract no. V41B-2187.
- Henry, C.D., Cousense, B., John, D.A., and Colgan, J.P., 2009, Reestablishment of the ancestral Cascades arc in western Nevada and eastern California by rollback of the shallow Farallon slab: AGU, December 2009, Abstract no. V41B-2175.
- **Colgan, J.P.,** Henry, C.D., and John, D.A., 2009, Post-Eocene extension in the northern Shoshone Range, Nevada: Geological Society of America Abstracts with Programs, v. 41, p. 129.
- Egger, A.E., and Colgan, J.P., 2009, Evolution of the northwestern margin of the Basin and Range: Insights from geologic mapping in northeastern California: Geological Society of America Abstracts with Programs, v. 41, p. 296.
- Henry, C.D., Colgan, J.P., John, D.A., Cousens, B., and Faulds, J.E., 2009, The evolution and tectonic setting of the Eocene-Miocene ignimbrite flare-up of the Great Basin, Nevada and Utah: Geological Society of America Abstracts with Programs, v. 41, p. 643.
- **Colgan, J.P.**, Egger, A.E., and John, D.A., 2008, Oligocene and Miocene arc volcanism in northeastern California: AGU, December 2008, Abstract no. V31B-2131.
- John, D.A., Henry, C.D., and Colgan, J.P., 2008, The Caetano caldera, Nevada: 5 km thickness of intracaldera rhyolite ignimbrite and co-magmatic batholith: AGU, December 2008, Abstract no. V21C-2118.
- Noguera, M., Stedman, C., First, E., Lord, E., Parrinello, A., Wright, J.E., Urbani, F., and Colgan, J.P., 2008, Detrital zircon geochronology of Paleocene/Eocene turbidites from Venezuela and offshore islands: Implications for Late Cretaceous subduction initiation along the Leeward Antilles and Aves Ridge: Geological Society of America Abstracts with Programs, Fall 2008, Abstract no. 155–4.
- **Colgan, J.P.**, Shuster, D.L., and Reiners, P.W., 2007, Two-phase Neogene extension of the northwestern Basin and Range deduced from a single thermochronology sample: AGU, December 2007, Abstract no. V33E-06.
- Egger, A.E., Lerch, D., Colgan, J.P., Klemperer, S.L., and Miller, E.L., 2007, Insight into the evolution of a major Basin and Range normal fault through combined geological and seismological investigation: Geological Society of America Abstracts with Programs, Fall 2007, Abstract no. 15-2.
- Klemperer, S.L., Miller, E.L., Gashawbeza, E., Lerch, D., Colgan, J.P., and Glen, J., 2007, The northwestern boundary of the Basin and Range province: insights and surprises regarding its evolution based on Earthscope refraction, teleseismic, potential field and geologic data: Geological Society of America Abstracts with Programs, Fall 2007, Abstract no. 229-3.

- **Colgan, J.P.**, and Metcalf, J.R., 2006, Apatite fission-track and (U-Th)/He dating of slip on the Crescent Fault, Nevada: AGU, December 2006, Abstract no. T11D-0466.
- Klemperer, S.L., Bruhn, R.L., Miller, E.L., Lowry, A.R., Smith, R.B., Lerch, D.W., Gashawbeza, E., Colgan, J.P., and Keranen, K., 2006, The Basin and Range Province (BRP); a key GeoFrame transect in progress: AGU, December 2006, Abstract no. T43C-1650.
- **Colgan, J.P.**, and Metcalf, J.R., 2006, Rapid middle Miocene unroofing of the southern Ruby Mountains, Nevada: Geological Society of America Abstracts with Programs, Fall 2006.
- Fosdick, J.C., Colgan, J.P., Metcalf, J.R., Dumitru, T.A., and Miller, E.L., 2006, Multiple episodes of extension across the East Range, Nevada; A Tertiary extensional transition zone in the northern Basin and Range Province: Geological Society of America Abstracts with Programs, Fall 2006.
- **Colgan, J.P.**, Dumitru, T.A., and Miller, E.L., 2005, Late Miocene development of the northwestern margin of the Basin and Range Province in northwestern Nevada and northeastern California: Geological Society of America Abstracts with Programs, v. 37, no. 7, p. 203.
- Lerch, D., Colgan, J.P., Miller, E.L., and McWilliams, M.O., 2005, Tectonic and magmatic evolution of the northwestern Basin and Range transition zone: Mapping and geochronology from the Black Rock Range, NV: Geological Society of America Abstracts with Programs, v. 37, no. 7, p. 70.
- Miller, E.L., Colgan, J.P., Surpless, B., Reidel-Bash, S., Strickland, A., Egger, A.E., and Benoit, D., 2005, Drill-core data from the Warner Range and Surprise Valley: Geological Society of America Abstracts with Programs, v. 37, no. 7, p. 203.
- Fosdick, J., Egger, A.E., **Colgan, J.P.**, Surpless, B., Miller, E.L., and Lerch, D., 2005, Cenozoic evolution of the northwestern boundary of the Basin and Range: Geologic constraints from the Warner Range and Surprise Valley Region: Geological Society of America Abstracts with Programs, v. 37, no. 7, p. 70.
- **Colgan, J.P.,** Dumitru, T.A., and Reiners, P.W., 2005, Cenozoic structural and thermal evolution of northwestern Nevada: insights from apatite fission-track and (U-Th)/He thermochronology: Geological Society of Nevada Symposium, May 14-18, 2005, Reno, Nevada, Program with Abstracts, p. 35.
- **Colgan, J.P.,** Lerch, D.L., Gashawbeza, E.M., Wilson, C.K., Klemperer, S.L., and Miller, E.L., 2004, Preliminary results of seismic refraction/reflection experiment in northwestern Nevada and northeastern California: Eos Trans. AGU, 85 (47), Fall Meet. Suppl., Abstract S13B-1045.
- Toro, J, Prokopiev, A., Colgan, J.P., Dumitru, T.A., and Miller, E.L., 2004, Apatite fission-track thermochronology of the southern Verkhoyansk fold-thrust belt, Russia: Eos Trans. AGU, 85 (47), Fall Meet. Suppl., Abstract GP44A-01.
- **Colgan, J.P.**, Dumitru, T.A., and Reiners, P.R., 2004, Estimating normal fault slip rates over a 10 million-year interval using apatite fission-track and U-Th/He thermochronology: Geological Society of America Abstracts with Programs, v. 36., no. 5, p. 427.
- Lerch, D.W., McWilliams, M.O., Miller, E.L., and Colgan, J.P., 2004, Structure and magmatic evolution of the northern Black Rock Range, Nevada: preparation for a wide-angle refraction/reflection survey: Geological Society of America Abstracts with Programs, v. 36, no. 4, p. 37.
- Whitehill, C.S., Miller, E.L., Colgan, J.P., Dumitru, T.A., Lerch, D.L., and McWilliams, M.O., 2004, Extent, style and age of Basin and Range faulting east of Pyramid Lake: Geological Society of America Abstracts with Programs, v. 36, no. 4, p. 37.
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